

In the Claims:

Please amend the claims as follows:

1-20. (Cancelled).

21. (Original) Apparatus for providing a variable level of capacitance, comprising:
a plurality of capacitors, each capacitor selectable through an independent control signal generated by a logic circuit, the selected capacitors providing an amount of capacitance that is the time of the individual capacitances of the selected capacitors; and
buffer circuitry for decoupling the plurality of capacitors from the logic circuit to prevent noise in the logic circuit from affecting the plurality of capacitors.

22. (Original) The apparatus of claim 21, further comprising a filter circuit connected to a power supply to generate a filtered power supply signal that is used to power the buffer circuitry.

23. (Original) The circuit of claim 21, further comprising transmission gates, each of which corresponds to one of the plurality of capacitors and can be turned on by the independent control signal when the corresponding capacitor is selected.